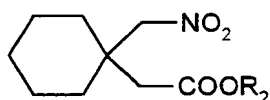


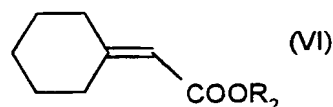
Claims:

1. Process for the synthesis of 1-(aminomethyl)cyclohexyl-acetic acid
 5 acid and pharmaceutically acceptable salt thereof characterised by
 a) transformation of the alkyl ester of cyclohexylidene-acetic acid of
 formula (VI) — wherein R_2 represents C_1 - C_4 alkyl group — into the alkyl
 ester of 1-(nitromethyl)cyclohexyl-acetic acid of formula (V) — wherein the
 meaning of R_2 is as defined above — with nitromethane in the presence of
 10 a base, hydrolysis with aqueous methanolic solution of potassium
 hydroxide and hydrogenation of the obtained 1-(nitromethyl)cyclohexyl-
 acetic acid of formula (IIa) in the presence of a catalyst and in given case
 transformation of the obtained compound into a pharmaceutically
 acceptable salt or

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(V)



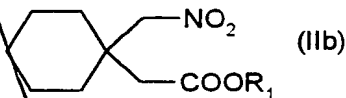
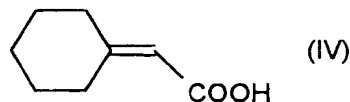
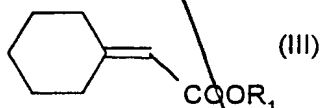
(VI)



(IIa)

- b) hydrolysis of the alkyl ester of cyclohexylidene-acetic acid of
 formula (VI) — wherein R_2 represents C_1 - C_4 alkyl group — into the
 cyclohexylidene-acetic acid of formula (IV) with aqueous methanolic
 20 solution of potassium hydroxide, reaction of the obtained acid of formula
 (IV) with a reagent of formula R_1 -X — wherein R_1 represents benzyl group,
 diphenylmethyl group or in given case C_1 - C_4 alkyl or alkoxy aromatic ring
 substituted derivatives thereof and X represents halogen atom — to give
 the intermediar cyclohexylidene acid derivative of formula (III) — wherein
 25 the meaning of R_1 is as defined above — transformation of this
 intermediar into the 1-(nitromethyl)cyclohexyl-acetic acid derivative of
 formula (IIb) — wherein the meaning of R_1 is as defined above — and

hydrogenation of the latter in a solvent in the presence of a catalyst and in given case transformation of the obtained compound into a pharmaceutically acceptable salt.



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2. Process b) of claim 1 characterised by using benzyl halide as reagent of formula R_1-X .

3. Process b) of claim 1 characterised by using diphenylmethyl halide as reagent of formula R_1-X .

A 10

4. The process of claim 1 characterised by carrying out the hydrogenation in an inert organic solvent.

A

5. The process of claim 1 characterised by using palladium on activated carbon as catalyst.

6. The new compounds of formula (II), wherein R represents hydrogen, benzyl, diphenylmethyl group or in given case C_1-C_4 alkyl or alkoxy aromatic ring substituted derivatives thereof.

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7. 1-(nitromethyl)cyclohexyl-acetic acid

8. benzyl 1-(nitromethyl)cyclohexyl-acetate

9. diphenylmethyl 1-(nitromethyl)cyclohexyl-acetate

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Add
B₁

Add
C₂